Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1-9. (Canceled)
- 10. (Currently Amended) A building-block according to the following formula:

$$Z$$
 R^1
 X
 Z
 R^3
 R^4
 R^3

wherein

B is one or more amino acids or peptides or is a reactive group for the attachment of one or more amino acids or peptides or is a reactive group conjugated to one or more amino acids or peptides, wherein the reactive group is an amino group, an amino protecting group or a protected amino group;

C is one or more labels or a functionality for the attachment of one or more labels wherein the functionality is selected from NH₂, OH, NHNH₂, NHOH, CHO, NH₂, OH, SH, -NHNH₂, -ONH₂, CHO, or a protected form thereof; or, when K is absent, C is a <u>label or</u> protecting group directly connected to the central trivalent nitrogen atom;

K and L are independently from one another a linear or branched, substituted or unsubstituted alkyl chain with at least two C-atoms, whereby one or more non-neighboring C-

atoms <u>are optionally might be</u> substituted by O, NH, N-(C₁-C₆)Alkyl, N-(C₅-C₁₅)Aryl, S, a carbonyl group, ester group or an amide group and/or neighbouring C-atoms <u>are optionally</u> might be connected via a double or triple bond;

X is a residue according to formula III

III -D-R⁵-E

with D being CH₂, S, NH or O

R⁵ being C₁-C₁₀ alkyl

E being COOH, OH, SH, NCS, NCO, NH₂, Cl, Br, I or the solid support; functionality for attachment to a solid support or a functionality comprising the solid support;

Z is H, C_1 - C_8 -alkyl, C_5 - C_{20} aryl or C_5 - C_{20} heteroaryl;

 R^1 , R^2 , R^3 and R^4 independently from one another are H, C_1 - C_8 alkyl, C_1 - C_8 alkoxy, C_5 - C_{18} aryl or heteroaryl or C_5 - C_{18} aryloxy or heteroaryloxy;

m, n are 0 or 1, whereby m+n is at least 1.

- 11. (Previously Presented) The building block according to claim 10, wherein B is an amino protecting group or a protected amino group.
- 12. (Previously Presented) The building block according to claim 11, wherein B is Mmt, Mtt, Alloc, ivDde, Dde, Fmoc, Bpoc, or an amino group protected by Mmt, Mtt, Alloc, ivDde, Dde, Fmoc, or Bpoc.
- 13. (Currently Amended) The building block according to claim 10, wherein C is selected from the NH₂, OH, NHNH₂, NHOH, CHO, NH₂, OH, SH, -NHNH₂, -ONH₂, CHO, or a protected form thereof; or, when K is absent, C is a protecting group directly connected to the central trivalent nitrogen atom.
- 14. (Currently Amended) The building block according to claim 13, wherein C is NH₂ or a protected form thereof.selected from the group consisting of STrt, SMmt, NBoeNBoe₂, and CH(OCH₃)₂,

- 15. (Previously Presented) The building block according to claim 10, wherein C is one or more labels selected from the group consisting of a fluorophore, a fluorophore/quench pair, a phosphorescent chemical residue, a luminescent chemical residue, a chemoluminescent chemical residue, a bioluminescent chemical residue, and biotin.
- 16. (Previously Presented) The building block according to claim 10, wherein the one or more labels are selected from the group consisting of 2,4-dinitrophenyl, 5-dimethylaminonaphthalenesulfonyl, biotinyl, and (7-methoxycoumarin-4-yl)acetyl, and 2-(5-sulfonaphthal-1-yl-amino)ethyl.
 - 17. (Previously Presented) The building block according to claim 10, wherein m+n is 1.
- 18. (Previously Presented) The building block according to claim 10, wherein K and L are independently from one another C_2 - C_8 -alkyl or -(O— CH_2 - CH_2 -)_q- with q = 1 to 20.
 - 19. (Canceled)
- 20. (Currently Amended) The building block of <u>claim 1 elaim 19</u>, wherein R^1 is MeO, R^2 , R^3 are each H, Z is H, R^4 is MeO or H, and X is O.
- 21. (Withdrawn-Currently Amended) A method for preparing C-terminally labeled peptides using the building block of claim 10, the method comprising
- a) optionally loading the building block on a solid support, wherein C is selected from a protected form of NH₂, OH, SH₃ -NHNH₂, -ONH₂, or CHO; or, when K is absent, C is <u>a label or</u> a protecting group directly connected to the central trivalent nitrogen atom;
- b) stepwise conjugating one or more amino acids to B of the building block attached to the solid support;
 - c) removing the protecting group from C;
 - d) attaching the label to the reactive group deprotected in step c);
- e) optionally deprotecting the amino protecting group of the N-terminal amino acid and attaching a label to said amino group; and

- f) optionally cleaving the C-terminally labeled peptide from the solid support.
- 22. (Withdrawn) The method according to claim 21, wherein B is an amino protecting group or a protected amino group.
- 23. (Withdrawn) The method according to claim 21, wherein B is Mmt, Mtt, Alloc, ivDde, Dde, Fmoc, Bpoc, or an amino group protected by Mmt, Mtt, Alloc, ivDde, Dde, Fmoc, or Bpoc.
- 24. (Withdrawn) The method according to claim 21, wherein C is one or more labels selected from the group consisting of a fluorophore, a fluorophore/quench pair, a phosphorescent chemical residue, a luminescent chemical residue, a chemoluminescent chemical residue, a bioluminescent chemical residue, and biotin.
- 25. (Withdrawn) The method according to claim 21, wherein the one or more labels are selected from the group consisting of 2,4-dinitrophenyl, 5-dimethylaminonaphthalenesulfonyl, biotinyl, and (7-methoxycoumarin-4-yl)acetyl, and 2-(5-sulfonaphthal-1-yl-amino)ethyl.
- 26. (Withdrawn) A method for preparing C-terminally labeled peptides using the building block of claim 10, the method comprising
- a) optionally loading the building block on a solid support, wherein C is one or more labels;
 - b) stepwise conjugating one or more amino acids to functionality B
- c) optionally deprotecting the amino protecting group of the N-terminal amino acid and attaching a label to said amino group; and
 - d) optionally cleaving the C-terminally labeled peptide from the solid support.

27. (Currently Amended) A building block having a structure selected from the group consisting of

wherein

X is OH or an NH-functionalized insoluble or soluble solid support; and

Y is NHMtt, NHMmt, STrt, SMmt, NBocNBoc2, NBoeNBOc2, ONBoc2, CH(OCH3)2.

- 28. (Previously Presented) The building block according to claim 27, wherein X is OH.
- 29. (Previously Presented) The building block according to claim 27, wherein X is aminomethyl polystyrene resin.